

## CLAIMS

1. A lighting inspection device for carrying out lighting inspection of a display panel, the device comprising:
  - 5 a circuit board having a driving circuit for lighting a display panel;
  - a conductive chassis functioning as a ground potential of the driving circuit; and
  - a conductive member fixed to the chassis for holding the circuit board,
- 10 wherein, the chassis and the member are connected via a soft metal.
2. The lighting inspection device of Claim 1, wherein the soft metal is formed on at least one of facing surfaces of the member and the chassis.
- 15 3. The lighting inspection device of Claim 2, wherein the soft metal is so formed that thickness of the soft metal takes a value not less than a summed value of each surface roughness of the member and the chassis.
- 20 4. The lighting inspection device of Claim 3, wherein each surface roughness of the member and the chassis represents a respective average roughness.
- 25 5. The lighting inspection device of Claim 3, wherein each surface roughness of the member and the chassis represents a respective maximum height of irregularities.
6. The lighting inspection device of Claim 1, wherein the soft metal

contains gold.

7. The lighting inspection device of Claim 1, wherein the soft metal contains silver.

5

8. A method of producing a display panel including an inspection step for detecting a defective panel before a driving circuit is mounted on a display panel such that the display panel undergoes lighting inspection with a use of the lighting inspection device described in any one of Claims 1 through 7.

10

15